

ABSTRACT

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The present invention relates to a device and a method for determining the quality of surfaces. An illuminating means of a first optical means radiates light at a predetermined angle onto the measurement surface. A second optical means is likewise aligned at a predetermined angle to the measurement surface and a photosensor receives the light reflected from said measurement surface and converts same into an electrical measurement signal which is characteristic of the reflected light. A control and evaluation means comprising a processor and memory means controls the measurement sequence and evaluates the measurement results, which are emitted via an output means. The illuminating means comprises at least one light-emitting diode. The light emitted by said illuminating means is configured such that its spectral characteristic comprises at least blue, green and red spectral components in the visible range of the spectrum. A filter means is provided in the path of radiation between the light source and the photosensor. The evaluating means evaluates the reflected light and derives therefrom a parameter which characterizes the surface.